

=> d his nofile

(FILE 'HOME' ENTERED AT 16:03:41 ON 14 FEB 2006)

FILE 'LREGISTRY' ENTERED AT 16:04:49 ON 14 FEB 2006  
L1 0 SEA ABB=ON YDWRFNAF.Y|YDFRWNAF.Y|YDHFRWAF.Y/SQSFP

FILE 'REGISTRY' ENTERED AT 16:05:39 ON 14 FEB 2006  
L2 21 SEA ABB=ON YDWRFNAF.Y|YDFRWNAF.Y|YDHFRWAF.Y/SQSFP  
SAVE TEMP L2 GUD394SEQ/A

FILE 'CAPLUS' ENTERED AT 16:06:22 ON 14 FEB 2006  
L3 13 SEA ABB=ON L2

FILE 'REGISTRY' ENTERED AT 16:06:26 ON 14 FEB 2006

FILE 'REGISTRY' ENTERED AT 16:06:40 ON 14 FEB 2006  
D QUE L2  
D RN CN SQL KWIC NTE LC 1-21 L2

FILE 'CAPLUS, CASREACT, USPATFULL, TOXCENTER' ENTERED AT 16:07:35 ON 14  
FEB 2006

L4 22 SEA ABB=ON L2  
L5 15 DUP REM L4 (7 DUPLICATES REMOVED)  
ANSWERS '1-13' FROM FILE CAPLUS  
ANSWERS '14-15' FROM FILE USPATFULL  
D IBIB ED ABS HITRN 1-15

FILE 'HOME' ENTERED AT 16:08:01 ON 14 FEB 2006

=>

## Sequence Family Search of Proteins (/sqsfsp)

In the sequence family search, each amino acid in the query has to match either the exact amino acid or a family member equivalent, as shown in the Family Equivalence Table below. The Family Equivalence Table is applied only to each common amino acid in the sequence. Specific uncommon amino acids may be included in the sequence; however, family equivalents only exist for the common amino acids. An amino acid family is based on a conservative substitution of amino acids sharing a similar chemical property. Each common amino acid in the query is converted to its family class members in a search. A match occurs on a query sequence if each amino acid is exactly matched or any of its family members are encountered. For example, the Hydrophobic-Aromatic family consists of the common amino acids F, W, and Y. If the amino acid F is specified within a sequence exact family search, it will match on amino acids F, W, or Y.

### FAMILY EQUIVALENCE TABLE

Family Class Name	Family Class Members
Neutral-Weakly Hydrophobic	Ala (A), Gly (G), Pro (P), Ser (S), Thr (T)
Hydrophilic-Acid Amine	Asn (N), Asp (D), Gln (Q), Glu (E)
Hydrophilic-Basic	Arg (R), His (H), Lys (K)
Hydrophobic	Ile (I), Met (M), Leu (L), Val (V)
Hydrophobic-Aromatic	Phe (F), Trp (W), Tyr (Y)
Crosslinking	Cys (C)

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Range: from **begin** to **end** Features:  SNP  CDD  MGC  HPRD  STS  tRN

**1:** AAU94398. Reports At1g06100 [Arabid...[gi:53828577]

BLink, Conserved Domains, Links

Features Sequence

LOCUS AAU94398 299 aa linear PLN 06-OCT-2004  
 DEFINITION At1g06100 [Arabidopsis thaliana].  
 ACCESSION AAU94398  
 VERSION AAU94398.1 GI:53828577  
 DBSOURCE accession BT015835.1  
 KEYWORDS .  
 SOURCE Arabidopsis thaliana (thale cress)  
 ORGANISM Arabidopsis thaliana  
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
 Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons;  
 rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.  
 REFERENCE 1 (residues 1 to 299)  
 AUTHORS Kim,C.J., Chen,H., Cheuk,R., Shinn,P. and Ecker,J.R.  
 TITLE Arabidopsis ORF clones  
 JOURNAL Unpublished  
 REFERENCE 2 (residues 1 to 299)  
 AUTHORS Kim,C.J., Chen,H., Cheuk,R., Shinn,P. and Ecker,J.R.  
 TITLE Direct Submission  
 JOURNAL Submitted (06-OCT-2004) Salk Institute Genomic Analysis Laboratory  
 (SIGnAL), Plant Biology Laboratory, The Salk Institute for  
 Biological Studies, 10010 N. Torrey Pines Road, La Jolla, CA 92037,  
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Range: from  to  Features:  SNP  CDD  MGC  HPRD  STS  tRN

1: AAT47784. Reports At1g06100 [Arabid...[gi:48958463]

BLink, Conserved Domains, Links

Features Sequence

LOCUS AAT47784 299 aa linear PLN 19-JUN-2004  
 DEFINITION At1g06100 [Arabidopsis thaliana].  
 ACCESSION AAT47784  
 VERSION AAT47784.1 GI:48958463  
 DBSOURCE accession BT014933.1  
 KEYWORDS .  
 SOURCE Arabidopsis thaliana (thale cress)  
 ORGANISM Arabidopsis thaliana  
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 Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons;  
 rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.  
 REFERENCE 1 (residues 1 to 299)  
 AUTHORS Cheuk,R., Chen,H., Kim,C.J., Shinn,P. and Ecker,J.R.  
 TITLE Arabidopsis ORF clones  
 JOURNAL Unpublished  
 REFERENCE 2 (residues 1 to 299)  
 AUTHORS Cheuk,R., Chen,H., Kim,C.J., Shinn,P. and Ecker,J.R.  
 TITLE Direct Submission  
 JOURNAL Submitted (19-JUN-2004) Salk Institute Genomic Analysis Laboratory  
 (SIGnAL), Plant Biology Laboratory, The Salk Institute for  
 Biological Studies, 10010 N. Torrey Pines Road, La Jolla, CA 92037,  
 USA  
 COMMENT Method: conceptual translation.  
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121 tdsdrdphsp iegfwfshvl wiftdtyire kcgrnnvmd lkqqwfyrfi kktlvlhila  
181 fwtliylwg lpyltwvgf ggvigyhgwt lvnsachicg sqawqtnnts rnvwllallt  
241 mgeswhnnhh afetsarhgl ewyqlditwy liwffqalgl atnvklptda qkrkmairr  
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